

## RAW SEQUENCE LISTING

met/

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/565,495  
Source: IFWP  
Date Processed by STIC: 1/30/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/565,495

TIME: 15:09:22

Input Set : A:\PU60406SEQLIST.txt

Output Set: N:\CRF4\01302006\J565495.raw

```

4 <110> APPLICANT: Legos, Jeffrey F
5      Barone, Frank T
6      Coatney, Robert
8 <120> TITLE OF INVENTION: METHODS OF TREATMENT WITH LXR AGONISTS
11 <130> FILE REFERENCE: PU60406
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/565,495
C--> 14 <141> CURRENT FILING DATE: 2006-01-20
16 <150> PRIOR APPLICATION NUMBER: 60/489,202
17 <151> PRIOR FILING DATE: 2002-07-22
19 <160> NUMBER OF SEQ ID NOS: 4
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1344
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapien
28 <400> SEQUENCE: 1
29 atgtccttgt ggctgggggc ccctgtgcct gacattcctc ctgactctgc ggtggagctg 60
30 tggaagccag gcgcacagga tgcaagcagc cagggcccagg gaggcagcag ctgcatcctc 120
31 agagaggaag ccaggatgcc ccactctgct ggggggtactg caggggtggg gctggaggct 180
32 gcagagccca cagccctgct caccagggca gagccccctt cagaaccac agagatccgt 240
33 ccacaaaagc ggaaaaagg ggcagcccc aaaatgctgg ggaacgagct atgcagcgtg 300
34 tgtggggaca aggcctcggg cttccactac aatgtttctga gctgcgaggg ctgcaaggga 360
35 ttcttcgcc gcagcgtcat caaggagcg cactacatct gccacagtgg cggccactgc 420
36 cccatggaca cctacatgcy tcgcaagtgc caggagtgtc ggcttcgcaa atgccgtcag 480
37 gctggcatgc gggaggagtgc tgtcctgtca gaagaacaga tccgcctgaa gaaactgaag 540
38 cggcaagagg aggaacaggc tcatgccaca tccttgcccc ccaggcggtc ctcaccccc 600
39 caaatcctgc cccagctcag cccggaacaa ctgggcatga tcgagaagct cgtcgctgcc 660
40 cagcaacagt gtaaccggcg ctcttttct gaccggcttc gagtcacgcc ttggcccatg 720
41 gcaccagatc cccatagccg ggaggcccg cagcagcgtc ttgcccactt cactgagctg 780
42 gccatcgtct ctgtgcagga gatagttgac tttgtctaac agctaccggg cttcctgcag 840
43 ctgagccggg aggaccagat tgccctgctg aagacctctg cgatcgaggt gatgcttctg 900
44 gagacatctc ggaggtacaa ccctgggagt gagagtatca ccttcctcaa ggatttcagt 960
45 tataaccggg aagactttgc caaagcaggg ctgcaagtgg aattcatcaa ccccatcttc 1020
46 gagttctcca gggccatgaa tgagctgcaa ctcaatgatg ccgagtttgc cttgctcatt 1080
47 gctatcagca tcttctctgc agaccggccc aacgtgcagg accagctcca ggtggagagg 1140
48 ctgcagcaca catatgtgga agccctgcat gcctacgtct ccatccacca tccccatgac 1200
49 cgactgatgt tcccacggat gctaataaaa ctgggtgagc tccggacctt gagcagcgtc 1260
50 cactcagagc aagtgtttgc actgcgtctg caggacaaaa agctcccacc gctgctctct 1320
51 gagatctggg atgtgcagca atga                                     1344
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 447
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapien

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58 &lt;400&gt; SEQUENCE: 2

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59 Met Ser Leu Trp Leu Gly Ala Pro Val Pro Asp Ile Pro Pro Asp Ser
60 1 5 10 15
61 Ala Val Glu Leu Trp Lys Pro Gly Ala Gln Asp Ala Ser Ser Gln Ala
62 20 25 30
63 Gln Gly Gly Ser Ser Cys Ile Leu Arg Glu Glu Ala Arg Met Pro His
64 35 40 45
65 Ser Ala Gly Gly Thr Ala Gly Val Gly Leu Glu Ala Ala Glu Pro Thr
66 50 55 60
67 Ala Leu Leu Thr Arg Ala Glu Pro Pro Ser Glu Pro Thr Glu Ile Arg
68 65 70 75 80
69 Pro Gln Lys Arg Lys Lys Gly Pro Ala Pro Lys Met Leu Gly Asn Glu
70 85 90 95
71 Leu Cys Ser Val Cys Gly Asp Lys Ala Ser Gly Phe His Tyr Asn Val
72 100 105 110
73 Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Val Ile Lys
74 115 120 125
75 Gly Ala His Tyr Ile Cys His Ser Gly Gly His Cys Pro Met Asp Thr
76 130 135 140
77 Tyr Met Arg Arg Lys Cys Gln Glu Cys Arg Leu Arg Lys Cys Arg Gln
78 145 150 155 160
79 Ala Gly Met Arg Glu Glu Cys Val Leu Ser Glu Glu Gln Ile Arg Leu
80 165 170 175
81 Lys Lys Leu Lys Arg Gln Glu Glu Glu Gln Ala His Ala Thr Ser Leu
82 180 185 190
83 Pro Pro Arg Arg Ser Ser Pro Pro Gln Ile Leu Pro Gln Leu Ser Pro
84 195 200 205
85 Glu Gln Leu Gly Met Ile Glu Lys Leu Val Ala Ala Gln Gln Gln Cys
86 210 215 220
87 Asn Arg Arg Ser Phe Ser Asp Arg Leu Arg Val Thr Pro Trp Pro Met
88 225 230 235 240
89 Ala Pro Asp Pro His Ser Arg Glu Ala Arg Gln Gln Arg Phe Ala His
90 245 250 255
91 Phe Thr Glu Leu Ala Ile Val Ser Val Gln Glu Ile Val Asp Phe Ala
92 260 265 270
93 Lys Gln Leu Pro Gly Phe Leu Gln Leu Ser Arg Glu Asp Gln Ile Ala
94 275 280 285
95 Leu Leu Lys Thr Ser Ala Ile Glu Val Met Leu Leu Glu Thr Ser Arg
96 290 295 300
97 Arg Tyr Asn Pro Gly Ser Glu Ser Ile Thr Phe Leu Lys Asp Phe Ser
98 305 310 315 320
99 Tyr Asn Arg Glu Asp Phe Ala Lys Ala Gly Leu Gln Val Glu Phe Ile
100 325 330 335
101 Asn Pro Ile Phe Glu Phe Ser Arg Ala Met Asn Glu Leu Gln Leu Asn
102 340 345 350
103 Asp Ala Glu Phe Ala Leu Leu Ile Ala Ile Ser Ile Phe Ser Ala Asp
104 355 360 365
105 Arg Pro Asn Val Gln Asp Gln Leu Gln Val Glu Arg Leu Gln His Thr
106 370 375 380

```

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```

107 Tyr Val Glu Ala Leu His Ala Tyr Val Ser Ile His His Pro His Asp
108 385 390 395 400
109 Arg Leu Met Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr
110 405 410 415
111 Leu Ser Ser Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp
112 420 425 430
113 Lys Lys Leu Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
114 435 440 445
117 <210> SEQ ID NO: 3
118 <211> LENGTH: 1383
119 <212> TYPE: DNA
120 <213> ORGANISM: Homo sapien
122 <400> SEQUENCE: 3
123 atgtcctctc ctaccacgag ttccctggat acccccctgc ctggaaatgg cccccctcag 60
124 cctggcgccc cttcttcttc acccaactgta aaggaggagg gtccggagcc gtggcccg 120
125 ggtccggacc ctgatgtccc aggcactgat gaggccagct cagcctgcag cacagactgg 180
126 gtcattccag atcccgaaga ggaaccagag cgcaagcgaa agaaggggccc agccccgaag 240
127 atgctgggac acgagatttg ccgtgtctgt ggggacaagg cctccggctt ccactacaac 300
128 gtgctcagct gcgaaggctg caagggtctt ttcggcgca gtgtggtccg tgggtggggc 360
129 aggcgctatg cctgcggggg tggcggaacc tgccagatgg acgctttcat gcggcgcaag 420
130 tgccagcagt gccggtgctg caagtgcagg gaggcaggga tgaggagca gtgcgtcctt 480
131 tctgaagaac agatccggaa gaagaagatt cggaaacagc agcaggagtc acagtcacag 540
132 tcgcagtcac ctgtggggcc gcagggcagc agcagctcag cctctggggc tggggcttcc 600
133 cctggtggat ctgaggcagg cagccagggg tccgggggag gcgagggtgt ccagctaaca 660
134 gcggctcaag aactaatgat ccagcagttg gtggcgggcc aactgcagtg caacaaacgc 720
135 tccttctccg accagcccaa agtcacgccc tggcccctgg gcgcagaccc ccagtcgccg 780
136 gatccccgcc agcaacgctt tgcccacttc acggagctgg ccatcatctc agtcaggag 840
137 atcgtggact tcgctaagca agtgctggtt ttctgcagc tgggcccggg ggaccagatc 900
138 gccctcctga aggcattccac tatcgagatc atgctgctag agacagccag gcgctacaac 960
139 cagcagacag agtgtatcac cttcttgaag gacttcacct acagcaagga cgacttccac 1020
140 cgtgcaggcc tgcaggtgga gttcatcaac cccatcttcg agttctcgcg ggccatgcgg 1080
141 cggtctgggc tggacgacgc tgagtacgcc ctgctcatcg ccatcaacat cttctcgccc 1140
142 gaccggccca acgtgcagga gccgggccgc gtggaggcgt tgcagcagcc ctacgtggag 1200
143 gcgctgctgt cctacacgcg catcaagagg ccgcaggacc agctgcgctt cccgcgcagt 1260
144 ctcatgaagc tggtagcctt gcgcacgctg agctctgtgc actcggagca ggtcttcgcc 1320
145 ttgcggctcc aggacaagaa gctgccgcct ctgctgtcgg agatctggga cgtccacgag 1380
146 tga 1383
148 <210> SEQ ID NO: 4
149 <211> LENGTH: 460
150 <212> TYPE: PRT
151 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 4
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155 1 5 10 15
156 Gly Pro Pro Gln Pro Gly Ala Pro Ser Ser Pro Thr Val Lys Glu
157 20 25 30
158 Glu Gly Pro Glu Pro Trp Pro Gly Gly Pro Asp Pro Asp Val Pro Gly
159 35 40 45
160 Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp

```

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161	50	55	60													
162	Pro	Glu	Glu	Pro	Glu	Arg	Lys	Arg	Lys	Lys	Gly	Pro	Ala	Pro	Lys	
163	65	70	75	80												
164	Met	Leu	Gly	His	Glu	Leu	Cys	Arg	Val	Cys	Gly	Asp	Lys	Ala	Ser	Gly
165	85	90	95													
166	Phe	His	Tyr	Asn	Val	Leu	Ser	Cys	Glu	Gly	Cys	Lys	Gly	Phe	Phe	Arg
167	100	105	110													
168	Arg	Ser	Val	Val	Arg	Gly	Gly	Ala	Arg	Arg	Tyr	Ala	Cys	Arg	Gly	Gly
169	115	120	125													
170	Gly	Thr	Cys	Gln	Met	Asp	Ala	Phe	Met	Arg	Arg	Lys	Cys	Gln	Gln	Cys
171	130	135	140													
172	Arg	Leu	Arg	Lys	Cys	Lys	Glu	Ala	Gly	Met	Arg	Glu	Gln	Cys	Val	Leu
173	145	150	155	160												
174	Ser	Glu	Glu	Gln	Ile	Arg	Lys	Lys	Lys	Ile	Arg	Lys	Gln	Gln	Gln	Glu
175	165	170	175													
176	Ser	Gln	Ser	Gln	Ser	Gln	Ser	Pro	Val	Gly	Pro	Gln	Gly	Ser	Ser	Ser
177	180	185	190													
178	Ser	Ala	Ser	Gly	Pro	Gly	Ala	Ser	Pro	Gly	Gly	Ser	Glu	Ala	Gly	Ser
179	195	200	205													
180	Gln	Gly	Ser	Gly	Glu	Gly	Glu	Gly	Val	Gln	Leu	Thr	Ala	Ala	Gln	Glu
181	210	215	220													
182	Leu	Met	Ile	Gln	Gln	Leu	Val	Ala	Ala	Gln	Leu	Gln	Cys	Asn	Lys	Arg
183	225	230	235	240												
184	Ser	Phe	Ser	Asp	Gln	Pro	Lys	Val	Thr	Pro	Trp	Pro	Leu	Gly	Ala	Asp
185	245	250	255													
186	Pro	Gln	Ser	Arg	Asp	Ala	Arg	Gln	Gln	Arg	Phe	Ala	His	Phe	Thr	Glu
187	260	265	270													
188	Leu	Ala	Ile	Ile	Ser	Val	Gln	Glu	Ile	Val	Asp	Phe	Ala	Lys	Gln	Val
189	275	280	285													
190	Pro	Gly	Phe	Leu	Gln	Leu	Gly	Arg	Glu	Asp	Gln	Ile	Ala	Leu	Leu	Lys
191	290	295	300													
192	Ala	Ser	Thr	Ile	Glu	Ile	Met	Leu	Leu	Glu	Thr	Ala	Arg	Arg	Tyr	Asn
193	305	310	315	320												
194	His	Glu	Thr	Glu	Cys	Ile	Thr	Phe	Leu	Lys	Asp	Phe	Thr	Tyr	Ser	Lys
195	325	330	335													
196	Asp	Asp	Phe	His	Arg	Ala	Gly	Leu	Gln	Val	Glu	Phe	Ile	Asn	Pro	Ile
197	340	345	350													
198	Phe	Glu	Phe	Ser	Arg	Ala	Met	Arg	Arg	Leu	Gly	Leu	Asp	Asp	Ala	Glu
199	355	360	365													
200	Tyr	Ala	Leu	Leu	Ile	Ala	Ile	Asn	Ile	Phe	Ser	Ala	Asp	Arg	Pro	Asn
201	370	375	380													
202	Val	Gln	Glu	Pro	Gly	Arg	Val	Glu	Ala	Leu	Gln	Gln	Pro	Tyr	Val	Glu
203	385	390	395	400												
204	Ala	Leu	Leu	Ser	Tyr	Thr	Arg	Ile	Lys	Arg	Pro	Gln	Asp	Gln	Leu	Arg
205	405	410	415													
206	Phe	Pro	Arg	Met	Leu	Met	Lys	Leu	Val	Ser	Leu	Arg	Thr	Leu	Ser	Ser
207	420	425	430													
208	Val	His	Ser	Glu	Gln	Val	Phe	Ala	Leu	Arg	Leu	Gln	Asp	Lys	Lys	Leu
209	435	440	445													

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210	Pro	Pro	Leu	Leu	Ser	Glu	Ile	Trp	Asp	Val	His	Glu
211		450					455					460

VERIFICATION SUMMARY

DATE: 01/30/2006

PATENT APPLICATION: US/10/565,495

TIME: 15:09:23

Input Set : A:\PU60406SEQLIST.txt

Output Set: N:\CRF4\01302006\J565495.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date